Date : 16.03.2022	Track 1	Time : 11.00 am - 12.30 pm

Session In charge : Dr. S.Pravinkumar
pravinkumars@ssn.edu.in
Student Volunteers: R Dhanush Babu, V Aishwarya III Year BME

Zoom Link: https://us02web.zoom.us/j/82422996899?pwd=SDR2dUwya2krVklzU2VCZFZvbjkrdz09

Contact no: **8248369664**
Email id: **icbsii2022.track1@gmail.com**

S.No	Paper ID	Paper Title	Time Slot	Author	Email id
1	7	Smart glass with multifunctionality for assisting visually impaired people	11:00 – 11:15 a.m.	G Sudharshan , S Sowdeshwar and M. Jagannath	jagan.faith@gmail.com
2	14	Gender Differences in Postural Stability in a Cohort of Adolescent Age	11:15 – 11:30 a.m.	S Varsha, Deepa Anbalagan, K Adalarasu, M Jagannath, A Celestin Jerald	adalarasu@eie.sastra.edu
3	16	Human Violence Detection using Deep Learning Techniques	11:30 – 11:45 a.m.	Arun Akash S A, Sri Skandha Moorthy R, Esha K, Nathiya N	nadhiyan@gmail.com
4	37	Signal Processing for Hybrid BCI	11:45 – 12:00 p.m.	Shelishiyah R, Bharani Dharan M, Kishore Kumar T, Musaraf R and Thiyam Deepa Beeta	thiyamdeepabeeta@veltech.edu.in
5	27	Analysis And Evaluation Of Consumers' Cognitive Responses To Visual And Gustatory Stimuli For Neuromarketing Application	12:00 – 12:15 p.m.	Sameeha M, Janani Arivudaiyanambi, Subhiksha	jananinambi@gmail.com
6	117	Design and Development of a Health Monitor System Using Eye Blink Detection	12:15 – 12:30 p.m.	Shashikala S, D Vinodhini , Jeeva J B	shashikala.s2021@vitstudent.ac.in vinodhini.2021@vitstudent.ac.in jbjeeva@vit.ac.in

Date:16.3.2021	Track 2	Time: 11.00 a.m. – 12.30 p.m. (IST)

Session In Charge: Dr. S.Arunkarthick & Dr.Sachin Gaurishankar Sarate
arunkarthicks@ssn.edu.in & sachings@ssn.edu.in
Student Volunteers: Nithyashree B – III year BME & Rebecca Maria Gnanamuttu -IV year BME

Zoom Link: https://us02web.zoom.us/j/4710920040?pwd=QjFOSUxPSUl4UHdObm1BK05HWDNhUT09

Contact no: 9884846050
Email id: icbsiitrack2@gmail.com

S.No	Paper ID	Paper Title	Time Slot	Author	Email id
1	5	Medication Adherence Manager and Its Clinical Application	11:00 – 11:15 a.m.	M S Fathillah, K Chellappan	syakirfathillah@ukm.edu.my
2	11	Adaptable Medical Device With 3D Printing Facilities	11:15 – 11:30 a.m.	R S Theeban, K Noorfazila, A W Z Wan, C Kalaivani	kckalai@ukm.edu.my, wanasyraf@ukm.edu.my, fazila@ukm.edu.my
3	12	Voice Controlled Home Automation, Security System and Virtual Joystick-Controlled Robot for Patients in Home Quarantine	11:30 – 11:45 a.m.	Vighnesh M, Andrew John, Merin Shibu, Jagannath M	jagan.faith@gmail.com
4	4	Mems Biosensor Design And Simulation For Diagnostic Purpose	11:45 – 12:00 p.m.	J Malavika, Dr R Parameshwari, Dr D Kalyani and P Lakshmi Prabha	eswarifrd05@gmail.com
5	20	Design of An Automated Oxygen Flow Control System for Hypoxemic Patients	12:00 – 12:15 p.m.	Krishnakumar S Bethanney Janney J, Sindu Divakaran, Radha K, Monisha S,Lumen Christy V, Sheryl Robinson, Aishwarya Mohan Kumar	drkrishnakumar_phd@yahoo.com , bethanneyj@gmail.com, kradha@gmail.com, smonisha@gmail.com, lumenchristy@gmail.com, sheryl.robinson@gmail.com,
6	50	GPU based epileptic seizure detection using deep autoencoder with particle swarm optimization	12:15 – 12:30 p.m.	Dipali Sinha1 ,K. Sasirekha ,and K. Thangavel	deepsin.kul@gmail.com, ksasirekha7@gmail.com, drkthangavel@gmail.com

Date:16.3.2022	Track 3	Time: 11.00 a.m. – 12.30 p.m. (IST)

Session In charge : Dr. K.Nirmala
nirmalak@ssn.edu.in
Student Volunteers: Aarya Raghavan, Mallika Krishnan Puducode -III year

Zoom Link: https://us02web.zoom.us/j/83999034730?pwd=T3k4Y09OV0IyV3ZkZmRjSzh3R0RhQT09

Contact no: 9108509111
Email id: icbsii2022.track3@gmail.com

S.No	Paper ID	Paper Title	Time Slot	Author	Email id
1	6	Psoriasis Skin Disease Identification Using SVM Image Classification and Determining the Growth Rate	11:00 – 11:15 a.m.	Thamizhvani TR, Aparna.K.Ajayan, Sannidhya.V, Hemalatha RJ, Chandrasekaran R	thamizhvani.se@velsuniv.ac.in
2	1	Detection of Liver Dysfunction Using Microfluidics Analysis	11:15 – 11:30 a.m.	Kalyani, P Lakshmi Prabha, Parameshwari R, J Malavika	kalyanichandru2007@gmail.com
3	44	Analysis of Sleep apnea Considering Electrocardiogram Data Using Deep learning Algorithms	11:30 – 11:45 a.m.	A Rajabrundha ,A Lakshmi Sangeetha and A Balajiganesh	rajabrundha@gmail.com,alsangeetha@gmail.com,abganesh@live.in
4	32	Smart Glove for Elderly Patients	11:45 – 12:00 p.m.	J Sofia Bobby, J Jane Elona , J H Bismi , M Dinesh Kumar , B Santhiya	sofiabobbyj@jerusalemengg.ac.in
5	13	Effective Minutiae Extraction and Template Creation in Fingerprints	12:00 – 12:15 p.m.	Karuppathal Easwaran, Dr.B.Thilakavathi, Dr.R.Kalpana, Dr.S.Baghavathi Priya	kalpana.r@rajalakshmi.edu.in,baghavathipriya.s@rajalakshmi.edu.i, thilakavathi.b@rajalakshmi.edu.in, karuppathal.e@rajalakshmi.edu.in
6	19	Experimental Analysis of Biometric System using Various Multimodal Fusion Algorithms	12:15 – 12:30 p.m.	Poornima S, Subramanian S	poornimas@ssn.edu.in, drsraju79@gmail.com

Date:17.3.22	Track 4	Time: 11.00 a.m. – 12.30 p.m. (IST)

Session In charge : Dr. M.Dhanalakshmi
dhanalakshmim@ssn.edu.in
Student Volunteers: R Dhanush Babu, Nandhini J -III Year BME, M Shreya -II Year BME

Zoom Link: https://us02web.zoom.us/j/82044804020?pwd=TzhiNDd1ZFdsOFdzK01KbkZUT0Y0QT09

Contact no: **8248369664**
Email id: **icbsii2022.track4@gmail.com**

S.No	Paper ID	Paper Title	Time Slot	Author	Email id
1	41	Silent Speech Interface: An Inversion Problem	11:00 – 11:15 a.m.	S Abirami, L Anirudh and P Vijayalakshmi	vijayalakshmip@ssn.edu.in, abirami17006@ece.ssn.edu.in, anirudh17016@ece.ssn.edu.in
2	23	Air Ambulance Drone For Medical Surveillance	11:15 – 11:30 a.m.	Bethanney Janney J, T. Sudhakar J. Premkumar, S. Krishnskumar, Aishvariya Shivani. S, Atchaya. E, Kavitha Lakshmi J	vaishnavipoorni123@gmail.com, jkavitha1312@gmail.com,jannydoll @gmail.com
3	28	Design and Development of Electrogastrograph wireless electrode module	11:30 – 11:45 a.m.	Gokul M ,Geetha Anandhi C ,Monisha R ,Nithyaa AN ,Mohana M ,Manikandan A and Gokulnath C	geethaanandhi423@gmail.com, monisharavichandran06@gmail.co m, 9918020015@klu.ac.in, 9918020014@klu.ac.in, 9918020006@klu.ac.in
4	55	Examining Depression, Anxiety and Stress among Millennial Generation in the Era of COVID-19 Pandemic in India	11:45 – 12:00 p.m.	S Varsha ,M Sundar Raj, N Nathiya, K Adalarasu, and Saravana Kumar Jaganathan	adalarasu@eie.sastra.edu
5	17	Analysis of MRI as a Screening Tool for the Diagnosis of Schizophrenia	12:00 – 12:15 p.m.	B Thilagavathy , S Sudha , K Vidya , Y Subathra	thilakavathi.b@rajalakshmi.edu.in,v idhyasri@gmail.com,

					sudha.singaram@rajalakshmi.edu.in , Subathra.y@rajalakshmi.edu.in
6	57	Biomechanical characterization of Human GAIT using EMG Parameters	12:15 – 12:30 p.m.	Chitra M Das, S Poonguzhali Nagarajan S., Mohanavelu K	chitramarydas@gmail.com, nagarajans.debel@gov.in, poongs74@gmail.com, mohanvelk.debel@gov.in

Date: 17.3.22	Track 5	Time: 11.00 a.m. – 12.30 p.m. (IST)

Session In charge : Dr.V.Mahesh
maheshv@ssn.edu.in
Student Volunteers: Nisha S, Rakshitha S – III year BME, Rebecca Maria Gnanamuttu -IV year BME

Zoom Link: https://us02web.zoom.us/j/6600022708?pwd=Z3FobmxzVzhlRnlJMC9oRHl1NXNJUT09

Contact no: 9884846050
Email id: icbsiitrack5@gmail.com

S.No	Paper ID	Paper Title	Time Slot	Author	Email id
1	34	Prosthetic Arm With Functional Fingers And Wireless Recharge On Walk Function	11:00 – 11:15 a.m.	Abhijeet Bharathan, J. Premkumar, T Sudhakar, Bethanney Janney J, Sindu Divakaran	premkumar.biomed@sathyabama.ac.in
2	40	Designing a Mask for Obstructive Breathing Disorder	11:15 – 11:30 a.m.	Swedha V, Sindu Divakaran, Premkumar J and T Sudhakar	sindudiva@gmail.com
3	51	Hand Grip Strength and Electromyogram data acquisition and analysis Pre and Post Grounding in healthy young adults	11:30 – 11:45 a.m.	Anusha, Dr .Anjana dwivedi	anushav165@gmail.com. anjana.dwivedi@bitmesra.ac.in
4	54	Inducement of Artificial Sleep using Low Strength Magnetic Waves	11:45 – 12:00 p.m.	T. Sudhakar1, G. Hari Krishnan ,J. Prem Kumar Pavithra S Devanesan and S. Shalini	drsudhakar35@gmail.com, haris_eee@yahoo.com, prem.msc@gmail.com, pavithradevsathuniv23@gmail.com shalinisbiomedsathuniv@gmail.com
5	58	Automatic seizure detection using modified cnn architecture and activation layer	12:00 – 12:15 p.m.	Izhar Dad Khan, Omar Farooq, Yusuf Uzzaman Khan	idkhan@zhcet.ac.in, omarfarooq@zhcet.ac.in, yusufkhan.ee@amu.ac.in
6	129	Design of Transfemoral prosthesis for above the knee amputees	12:15 – 12:30 p.m.	Sreya Reddy Kesavapuram, Dhanalakshmi M	dhanalakshmim@ssn.edu.in

Date: 17.3.22	Track 6	Time: : 11.00 a.m. – 12.30 p.m. (IST)

Session In charge : Dr.L.Suganthi
suganthil@ssn.edu.in
Student Volunteers: Aarya Raghavan - III year BME, Supraja V, S. Devadarshini -II year BME

Zoom Link: https://us02web.zoom.us/j/86416312506?pwd=TGE3bVp3dzVoMDJOYWszUGpIUlRMZz09

Contact no: **9108509111**
Email id: **icbsii2022.track6@gmail.com**

S.No	Paper ID	Paper Title	Time Slot	Author	Email id
1	135	Detection of Pneumonia in Chest X-Ray with Bat-Algorithm Selected Deep and Handcrafted Features	11:00 – 11:15 a.m.	K. Suresh Manic , SeifedineKadry' , RoshimaBiju , Gangadharam Balaji	skadry@gmail.com
2	136	Extraction and Assessment of COVID19 Infection in Lung CT Images Using VGG-UNet	11:15 – 11:30 a.m.	Satish Suresh Tanavade,SeifedineKadry', K. Suresh Manic ,Gangadharam Balaji	skadry@gmail.com
3	31	Exoskeleton device for Left Hemiplegia patients with Electromyograph	11:30 – 11: 45 a.m.	Nithyaa A N, Premkumar.R, Gokul M, Iswarya C and Lakshmi Priya S	nithyaa.an@rajalakshmi.edu.in, premkumar.r@rajalakshmi.edu.in, mrgokul3@gmail.com, 210311003@rajalakshmi.edu.in, 210311010@rajalakshmi.edu.in
4	137	Automatic Detection of Ischemic-Stroke-Lesion with CNN Segmentation: A Study	11:45 – 12:00 p.m.	Feras Nadhim Hasoon Al Attar, Seifedine Kadry, K. Suresh Manic, Maytham N. Meqdad	skadry@gmail.com
5	48	Detection of Anaemia using Image Processing Techniques from microscopy blood smear images	12:00 – 12:15 p.m.	Nithya R, Nirmala K	nithyar@ssn.edu.in

| 6 | 134 | Automatic Classification of Histology Images into Normal/Cancer Class with Pre-Trained CNN | 12:15 – 12:30 p.m. | Geetha Achuthan , Seifedine Kadry , K. Suresh Manic , Maytham N. Meqdad | skadry@gmail.com |

Date:18.3.22	Track 7	Time: 10.30 a.m.- 12.00 noon. (IST)

Session In charge : Dr.J.Vijay
vijayj@ssn.edu.in
Student Volunteers: V Aishwarya -III Year, Nandhini J – III Year, M Shreya -II Year

Zoom Link: https://zoom.us/j/98620085791?pwd=Sk9yaTZhL1o4a2craFlOVDQrdmQrQT09

Contact no: 8248369664
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S.No	Paper ID	Paper Title	Time Slot	Author	Email id
1	24	Deep Ensemble of Texture Maps for False Positive Reduction in Mammograms	10:30 – 10:45 a.m.	N Srinivashini, M Raveenthini and R Lavanya	srinivashini1998@gmail.com, raveesudha1407@gmail.com, r_lavanya@cb.amrita.edu
2	26	Computer aided diagnosis system for breast density classification in mammograms	10:45 – 11:00 a.m.	S Shrinithi, Devi Vijayan and R Lavanya	r_lavanya@cb.amrita.edu
3	29	Detection and optimization of skin cancer using deep learning	11:00 – 11:15 a.m.	Balambigai S , Elavarasi K , Abarna M , Abinaya R , Arun Vignesh N	k.eeshi710@gmail.com, abarnamarimuthu16@gmail.com, abigunaravi@gmail.com, arunvignesh44@gmail.com
4	30	Transfer learning Approaches in Deep Learning for Indian Sign Language Classification	11:15 – 11:30 a.m.	Tuhina Sheryl Abraham, S.P. Sachin Raj, Yaamini A, and Divya B	divyab@ssn.edu.in

| 5 | 33 | Detection of different types of Ear Diseases in Infants for Early Treatment | 11:30 – 11:45 a.m. | Sindu Divakaran1, Lumen Christy V, Fahira Parveen M S, Bethanney Janney J and S Krishnakumar | sindudiva@gmail.com |
| 6 | 39 | Brain Tumour Classification Using Machine Learning Algorithm | 11:45 – 12:00 p.m. | A B Malarvizhi, A Mofika, M Monapreetha and A M Arunnagiri | arunnagiri24@gmail.com |

Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam
Department of Biomedical Engineering
8Th International Conference on Bio Signals, Images and Instrumentation (ICBSII 2022)
March 16-18, 2022

Date: 18.3.22	Track 8		Time: 10.30 a.m.- 12.15 p.m. (IST)

Session In charge : Dr.R.Nithya
nithyar@ssn.edu.in
Student Volunteers: Nithyashree B, Nisha S, Rakshitha S – III year

Zoom Link: https://us02web.zoom.us/j/8717306842?pwd=NVpvcStHT0Vxb2k5ci9KSlFNNGIrQT09

Contact no: 9884846050
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S.No	Paper ID	Paper Title	Time Slot	Author	Email id
1	42	Science of Alzheimer's Disease in Technological Aspects	10:30 – 10:45 a.m.	Venkata Ratna Prabha K, Prathyusha Chittajallu, Aakash Kokkeragadda, Venkatesh Koppisetty, Pranathi Pinnamaneni, P Ramesh	ratnaprabhakv@gmail.com, chittajalluprathyusha@gmail.com
2	114	Dose response curve using chemically induced PCC assay in peripheral cells irradiated in-vitro to 5 MeV alpha particles emitted from radon source	10:45 – 11:00 a.m.	C Meenakshi, S Chandrasekaran, N P Rajesh and B Venkatraman	c.meenakshi02@gmail.com
3	132	Active Contour based Segmentation of Normal and Fetal Spina Bifida Ultrasound Images	11:00 – 11:15 a.m.	R Ajitha and N Punitha	punithan@ssn.edu.in
4	133	Hardware Implementation of ECG signal Compression using SPIHT	11:15 – 11:30 a.m.	Shanmugasundari M, Loganathan S, Sujatha C.M	mjssundari@gmail.com, logaanathanps@gmail.com, sujathacm@annauniv.edu

5	56	Development of wearable social distancing device using ultrasonic sensors.	11:30 – 11:45 a.m.	Swarubini PJ , Kavya S ,Jeeva J B	swarubinipj@gmail.com, kavyasaravanan2000@gmail.com, jbjeeva@vit.ac.in
6	52	Efficient Machine Learning Algorithms to Detect Cardiac Arrhythmia in ECG Signals	11:45 – 12:00 p.m.	R Anandha Praba, Dr L Suganthi, E S Selva Priya, J Jeslin Libisha	anuprem83@gmail.com

Date: 18.3.22	Track 9	Time: 10.30 a.m.- 12.15 p.m. (IST)

Session In charge : Dr.N.Punitha & Ms.B.Divya
punithan@ssn.edu.in &divyab@ssn.edu.in
Student Volunteers: Mallika Krishnan Puducode - III year BME, Supraja V, S. Devadarshini -II year BME

Zoom Link: https://us02web.zoom.us/j/4745054749?pwd=TkxiWE56ang5alN6a3k0QzJ5TTNOQT09

Contact no: 9108509111
Email id: icbsii2022.track9@gmail.com

S.No	Paper ID	Paper Title	Time Slot	Author	Email id
1	123	Design of a mobile application for the vaccination registry of children under 5 years old	10:30 – 10:45 p.m.	Wilver Auccahuasi	wauccahuasi@cientifica.edu.pe
2	124	Method for registration of vaccines for covid 19, through nfc technology	10:45 – 11:00 a.m.	Wilver Auccahuasi Lucas Herrera, Karin Rojas, Christian Ovalle, Erick Loja Ponce, Francisco Hilario, José Luis Herrera Salazar	wilver.auccahuasi@upn.edu.pe
3	125	Methodology for the multichannel recording of upper limb muscle activity	11:00 – 11:15 a.m.	Christian Ovalle, Wilver Auccahuasi, Lucas Herrera, Aly Auccahuasi, Martha, Romero Echevarría, Karin Rojas, Kitty Urbano, Francisco Hilario, Milner Liendo and José Luis Herrera Salazar	wilver.auccahuasi@upn.edu.pe
4	128	Methodology For Muscle Recovery, Through Motor Imagery Techniques Applying Virtual Reality	11:15 – 11:30 a.m.	Christian Ovalle , Wilver Auccahuasi , Lucas Herrera , Aly Auccahuasi , Martha Romero Echevarría , Karin Rojas , Kitty Urbano , Francisco Hilario, Milner Liendo and José Luis Herrera Salazar	wilver.auccahuasi@upn.edu.pe

5	130	Low-cost system for recording and monitoring muscle activity, through video games applied to children, in times of confinement caused by covid-19	11:30 – 11:45 a.m.	Christian Ovalle,Wilver Auccahuasi , Lucas Herrera, Aly Auccahuasi, Martha Romero Echevarría , Karin Rojas , Kitty Urbano , Francisco Hilario , Milner Liendo , Sandra Meza and José Luis Herrera Salazar	wilver.auccahuasi@upn.edu.pe
6	138	Feature selection and machine learning techniques for predicting heart disease	11:45 – 12:00 p.m.	D. Rajeswari, K. Thangavel	raji.danapal@gmail.com