

**SSN COLLEGE OF ENGINEERING
KALAVAKKAM-603110**

**BME - UG STUDENT PROJECTS
2019**

S. No	Name and Year of the Student(s)	Project Guide(s)	Title of the Project	Duration	Budget and Approved
1	S. Anbu Selvi ME - II Year Praveen Surya Abishek Dius BE - II Year	Ms. M. Dhanalakshmi	Model and prototype of ankle foot orthosis for drop foot	9 months	Budget: Rs.24000
2	T. Akshara Reddy IV Year Haridhra Suresh J. Arthika III Year	Ms. M. Dhanalakshmi	Alternative foot brace for clubfoot correction	1 Year	Budget: Rs.20000
3	Bakhiyalakshmi Samvardhini Sivabaala III Year	Ms. B. Divya	Brainwave based wheelchair prototype	1 Year	Budget: Rs.21000
4	A.R.Parvathi B. Radhika S. Shankharan III Year	Dr. J. Vijay	Quantification and analysis of depression using brain waves	1 Year	Budget: Rs.27000
5	M. Logesh Kumar R. Sherwin Robert II Year	Dr. S. Arun Kathick Dr. L. Suganthi Dr. P. Balaji Bhargav	Fabrication of stretchable impedance sensor using gold nanomesh	18 months	Budget: Rs.24000
6	R. Shri Harini A. Anusha A.J. Rajkumar III Year	Ms. B. Divya	Wearable drowsiness detector	1 Year	Budget: Rs.20000

Sanctioned Internally Funded Student Projects

7	G. Poornima II Year	Dr. R. Subashini BME Dr. R. Govindaraj SSN RC	Synthesis and analysis of nanochitosan and silver nanoparticle incorporated glass ionomer cement	2 Years	Budget: Rs.24000
8	Divya Rajesh Kannan Varsha Seshadri Yuvasri Asokan II Year	Ms. R. Nithya	Stress analysis using salivary cortisol levels	1 Year	Budget: Rs.25000
9	Sockalingam Saravanan R. Bhargav II Year	Dr. L. Suganthi	IoT-Enabled health monitoring and assistive systems for elderly and disabled people	18 months	Budget: Rs.24000
10	S. Sonali P. Vanthana III Year	Dr. K. Nirmala Dr. L. Suganthi Dr. R. Govindaraj SSN RC	Biochemical sensing system for the detection of creatinine level	18 months	Budget: Rs.24000
11	M.C. Sai Kavya Neharika Rebecca Maria Gnanamuttu P. Aishwarya Ponni Meghna Govind II Year	Dr. Sachin Gaurishankar Sarate Ms. M. Dhanalakshmi Dr. M. Anbu Selvi ECE	Wireless charging of medical implants	10 months	Budget: Rs.24000

2018

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Sanctioned Internally Funded Student Projects

1	N.Nanthini(II BME) R.Janaki (II BME)	Dr.Sachin Gaurishankar Sarate	Automatic eye drop Dispenser	12 months	Rs.18,000
2	S.Viswanath(IV BME) Janani.M(II BME) Saranya (II BME)	Dr.R.Subashini	Portable power generating microbial fuel cell	12 months	Rs.25,000
3	Prem Aravindan. J(III BME) Aishwarya.R(III BME) DurgaadeviS.E(III BME) Sandhanakrishnan.R(III BME)	Dr.S.Bagyaraj	Wearable device for detecting hypertension, hypotension and drug delivery system	10 months	Rs.10,000
4	S. Santhosh (III BME), Venkatakrishnan (III BME) Sudharshan R. (III BME) Saisrinivasan Patrick. A(III BME),Joseph S. (III BME) Prashanth (III BME)	Dr. S. Bagyaraj	EEG based brain computer interface for prosthetic hand control	12 months	Rs.27500
5	P.Kawya (IIBME) S.Srija (III BME)	Ms.M.Dhanalakshmi	Wearable reader for visually impaired people	12 months	Rs.20,000
6	Anupam Bhaskarbhatta(III BME) Arvinth Swaminathan M B(III BME)	Ms.B.Divya Dr.Sachin Sarate	An Ankle foot orthotic device Integrated with A Functional Electrical Stimulation unit to assist and improve walking for a Foot drop	10 months	Rs.23,000
7	D.Sutheshnna(III BME) T.S.Subhasri (II BME) R.Aarthi(II BME) R.Srinithi(II BM)	Ms.R.Nithya	Automatic writing stylus for visually challenged	12 months	Rs.20,000

2017

No	Name and Year of the Students	Project Guide(s)	Title of the project	Duration	Budget and items approved
1	G. Praveen Kumar (III Year) R. Asha (III Year)	Dr. L. Suganthi Ms. B. Divya	Six-lead EGG procurement belt for gastric oddities	1 year	Budget: Rs.23000

Sanctioned Internally Funded Student Projects

	B. Sangeetha (III Year) S. Om Prakash (III Year)				
2	R. Viswath Narayanan (III Year) D. Yaamini (III Year)	Dr. A. Kavitha (BME) Ms. S. Vidhusha (IT)	Development of VR environment for autistic children	6 months	Budget: Rs.25000
3	S. Viswanath (III Year) S. Apurva (III Year)	Dr. R. Subashini	Orthopedic belt using sodium acetate crystals	8 months	Budget: Rs.20000
4	V.K. Kavya (II Year) Suhashine Sukumar (II Year) Vignesh Rudran (II Year)	Dr. S. Bagyaraj	Jugular venous pressure measuring device	10 months	Budget: Rs.20000
5	R. Abarna (III Year) M. Kirthana (III Year)	Ms. M. Dhanalakshmi	Ultrasonic belt with voice playback for visually challenged	6 months	Budget: Rs.20000
6	R.P. Subramanian (II Year) R. Yohanya (II Year) S. Sathis Kumar (II Year)	Dr. S. Arun Karthick	Biocompatibility of astaxanthin on the structural, optical, antimicrobial and anticancer properties of ZnO and CeO ₂ nanoparticles prepared by green method	9 months	Budget: Rs.20000
7	S. Isha Samyuktha (II Year) T. Akshara Reddy (II Year)	Dr. R. Subashini Ms. K. Nirmala	An automated pre transfusion test based on image processing	8 months	Budget: Rs.15000
8	K. Arun Kumar (III Year) P.G. Pavithran (III Year)	Dr. S. Bagyaraj	Development and testing of command prompt assist device for locked in syndrome patients	1 year	Budget: Rs.25000
9	K.R. Anjana (III Year) K. Anuharshini (III Year) M. Sivaranjani (III Year) M. Sowmiya (III Year)	Dr. J. Vijay	An indigenous pulse diagnosis system for siddha medicine	7 months	Budget: Rs.15000

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