

# SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING

Kadayiruppu P O, Ernakulam, Kerala - 682 311

[www.sngce.ac.in](http://www.sngce.ac.in)



## Criterion 3 – Research, Innovations and Extension

### 3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge / technology and the outcomes of the same are evident



Ministry of  
Education  
Government of India



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



INSTITUTION'S  
INNOVATION  
COUNCIL  
(MINISTRY OF EDUCATION, GOVERNMENT OF INDIA)



## CERTIFICATE OF ESTABLISHMENT

**This is to certify that**

**S.N.Gurukulam College of Engineering, Ernakulam**

**has established an Institution's Innovation Council (IC202014426) in the campus as per the norms of Innovation Cell, Ministry of Education, Govt. of India during the academic calendar year 2020-21**

Prof. Anil D. Sahasrabudhe

Chairman  
AICTE

Dr. Abhay Jere

Chief Innovation Officer  
Ministry of Education's Innovation Cell

PRINCIPAL  
Sree Narayana Gurukulam  
College of Engineering  
Kadayiruppu, Kolenchery-682 311

Certificate No: 3970

Aishe Code: C-11685

Date: 02-11-2020



## SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING

Approved by AICTE and affiliated to A.P.J. Abdul Kalam  
Technological University & Mahatma Gandhi University  
(Managed by Sree Narayana Gurukulam Charitable Trust  
Promoted by SNDP Yogam, Kunnathunadu Union)

### Minutes of the meeting, Institutions Innovation council met on 29.10.22, A103 Seminar Hall, SNGCE

The council meeting of Institution's Innovation Council (IIC), SN Gurukulam College of engineering (C-11685) was called by IIC President Dr. Binu PP on 29.10.2022 at 3:00 PM to discuss upon review of the activities conducted and scheduling of future activities.

1. The council reviewed the awareness programme conducted on 25.10.2022 for the first year students about innovation and entrepreneurship.
2. The council reviewed the progress of future activities such as technical workshops for students and faculties on 3D printing, building information and modeling etc.

The council unanimously decided to carry out all the IIC activities in regular basis throughout the year and meet regularly in beginning of every quarter to review the progress made in previous quarter and also to plan for upcoming quarter. The council has agreed to convene next meeting tentatively on 14-01-23.

Dr. Kemthose P Paul  
(Head of the Institution)

Place: SNGCE



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## Minutes of the meeting, Institutions Innovation council met on 14.01.23, Board Room, SNGCE

The council meeting of Institution's Innovation Council (IIC), SN Gurukulam College of engineering (C-11685) was called by IIC President Dr. Binu PP on 14-01-2023, 3:00 PM to discuss upon the formulation and function of IIC for academic year 2022-23 as per the guidelines of Ministry of Education's Innovation cell.

1. The council reviewed the workshops on building information modeling and 3D printing as successful in view of participation and feedback from participants.
2. Awareness programme on sustainable menstruation coordinated exclusively for ladies were also very useful.

The council has agreed to convene next meeting tentatively on 08.04.23.



Dr. Kemthose P Paul  
(Head of the Institution)



Place: SNGCE

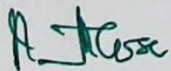


## Minutes of the meeting, Institutions Innovation council met on 18.05.23, A103 Seminar Hall, SNGCE

The council meeting of Institution's Innovation Council (IIC), SN Gurukulam College of engineering (C-11685) was called by IIC President Dr. Binu PP on 18.05.2023 to review the activities of IIC for academic year 2022-23 & to assign roles and responsibility among newly joined council members as per the guidelines of Ministry of Education's Innovation cell.

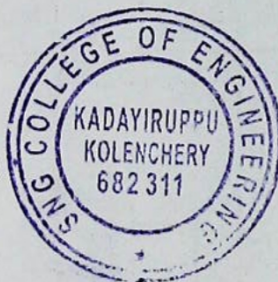
1. The council reviewed the activities conducted
  - a. Quiz competition on world water day
  - b. Idea pitching competition held on 3<sup>rd</sup> April
  - c. LinkedIn workshop
  - d. Workshop on artificial intelligence
  - e. Workshop on swarm robotics
  - f. Workshop on AURDINO and IOT
  - g. Workshop on MATLAB
2. The council also reviewed the national technology day celebration and expressed great satisfaction.
3. The council decided the initiation of a new start up.
4. The council also decided to induct new members for the academic year 2023-24.

The council unanimously decided to carry out all the IIC activities in regular basis throughout the year and meet regularly in beginning of every quarter to review the progress made in previous quarter and also to plan for upcoming quarter. The council has agreed to convene next meeting tentatively on 12.08.2023.



Dr. Kemthose P Paul  
(Head of the Institution)

Place: SNGCE





**Minutes of the meeting, Institutions Innovation council met  
on 16.07.2022, Board Room, SNGCE**


The council meeting of Institution's Innovation Council (IIC), SN Gurukulam College of engineering (C-11685) was called by IIC President Dr. Binu PP on 16-07-2022 to discuss upon the formulation and function of IIC for academic year 2022-23 & to assign roles and responsibility among newly joined council members as per the guidelines of Ministry of Education's Innovation cell.

As per the decision of competent authority, following members will be the part of IIC;

Sl. No.	Name of Member	Member Type(Teaching/ Non Teaching/ Student/ External Expert)	Key role/ Position assigned in IIC
1	Mr. Ajith A V	Teaching	Member
2	Dr. Anupkumar M	Teaching	Social Media
3	Mr. Saini Jacob Soman	Teaching	Member
4	Mr. Shyju Y	Teaching	Member
5	Dr. Hitha	Teaching	Member
6	Keerthana Vinod	Student	Internship coordinator
7	Sreejith M V	Student	Innovation coordinator
8	Adhithya E S	Student	Social media

The council members discussed about the activities (IIC calendar, Celebration and Self-Driven) and features of IIC portal. The council members also discussed about collaborations within and outside the institution to accelerate the activities of IIC. The council also deliberated on quarterly action plan in synchronisation with activities and initiatives of other departments, centres and facilities in the Institute working towards promoting IPR, Innovation, Entrepreneurship and Start up.

The council unanimously decided to carry out all the IIC activities in regular basis throughout the year and meet regularly in beginning of every quarter to review the progress made in previous quarter and also to plan for upcoming quarter. The council has agreed to convene next meeting tentatively on 08-10-22.

  
Dr. Kemthose P Paul  
(Head of the Institution)  
Place: SNGCE



  
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Council Meeting



*R. Huse*  
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Sree Narayana Gurukulam  
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SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING

**IIC @ SNGCE**

**Action plan for the year 2022-23**

1. Interactive session with reputed entrepreneurs
2. Industrial visit
3. Entrepreneurship development talk and training programme
4. Technical Competitions for the students such as idea pitching, hackathone, project development etc.
5. Technology day celebration

President  
IIC@SNGCE



  
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# SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING

## IIC @ SNGCE

### Action plan for the year 2022-23

1. Technical workshop on AI, Social media
2. Awareness talk on Entrepreneurship development
3. Technical Competitions for the students such as idea pitching, hackathone, project development etc.
4. Technology day celebration

President  
IIC@SNGCE

  
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**List of Students, " Hacking Demistified" - Session on Ethical Hacking by  
Mr. Arun Shaji, on 13.09.2020**

**L2 & E2**

JITHIN  
VISHNU S  
DEVA KRISHNA  
SAGARA  
PARVATHY  
RAJALAKSHMI  
GAUTHAM VINOD  
NITHIN BENOY  
AKSHAY AK  
SANU JOHN  
HARI SHANKER PS  
HARI KRISHNA KS

**R2 A**

GEVARHESE CHACKO  
ASWANTH VISWANATH  
ASHWIN GOPAKUMAR  
ASHWIN BAIJU  
GEEVAR  
ELDHO SUNNY  
THAAJUDHIN

**R2B**

JESTIN  
RITTU  
NAVYA  
NEHA  
SOORYA DAS  
SAMEERA  
ROSHAN  
ROBIN  
JESWIN  
HARSHAL  
VARUN  
SAADHIQ  
SREE KUTTY PS  
SUKANYA M P  
SHREYA GIRESH  
JIYA M A  
THEERDHA M  
MREDHULA JAMES

**N2**

AVANY V  
NIVEDHYA M S  
NISHA VENUGOPAL  
AMAL DEV  
ARJUN A G  
ADITHYA KRISHNA  
SREYA  
RUTH  
PARVATHY  
AMRUHA  
DHEERAJ  
ATHUL DILEEP  
AASHIQ SHEEBAN  
CHRISTY P ROBERT  
ALIF K  
ATHUL KRISHNA  
AVINASH  
ADITHIYA SANY  
AJU PAUL

**R4**

GLADSY JOSHY  
AISWARYA V B  
ARYA SANTHOSH  
BINCY YOHANNAN  
HIMA  
NANDHU  
MUHAMMED CIRAJ  
MICHEL  
VIJAYA LAKSHMI  
AISWARYA RAJU  
LIYA SABU  
ASWINY BALACHANDRAN

**M4**

HARSHAL  
AMALDEEP  
AVINASH  
AMNANTHU KRISHNA  
DEEPAK  
AKARSH  
BIBIN  
ABHAY



*A. Huse*  
**PRINCIPAL**  
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## Submitted

List of Students registered to attend Workshop on Embedded System coordinated under the auspices of IEDC Boot CAMP SNGCE. Request is made to sanction duty leave for them. Attendance for each day will be submitted later. Duty leave may be ratified based on the attendance sheet.

**Date: 02.12.2021 & 07.12.2021 , Time: 1 PM to 4:30 PM**

Sl.No.	Name	Branch	Year	Mob No.
1	Abhishek sunil	CSE	2	9207877856
2	Ashna Suresh	CSE	2	904806132
3	Govind Sankar	CSE	2	9895646961
4	Naveen Babu	CSE	2	8078993263
5	Nimisha J	CSE	2	7736743057
6	Robin rajan	CSE	3	7994628960
7	SAGAR BANU M	CSE	1	6238992196
8	Sreelakshmi Jayaraj	CSE	2	9400535402
1	Abhinand salajan	ECE	1	8330862042
2	Abhiram Anilkumar	ECE	2	9745840303
3	Abhishek cs	ECE	2	7736480878
4	Akash krishna	ECE	2	8590437039
5	Akshay	ECE	1	8139021453
6	Akshaya T R	ECE	1	6238921284
7	Aleena Ranju	ECE	2	8590797953
8	Anakha PS	ECE	4	9061753094
9	Anandakrishnan	ECE	3	7025643038
10	Antony Jose	ECE	2	9961812555
11	Arjun VS	ECE	3	7907493964
12	Ashwin Shaji	ECE	3	7902214315
13	Ayana Sabu	ECE	2	9846235943
14	Devakrishna Dileep	ECE	3	8606480946
15	Devika Mahesh	ECE	4	8547307776
16	Edric Thomas	ECE	3	9074272392
17	Elana Varghese George	ECE	3	9074745199
18	Feba Anna Baiju	ECE	4	7356070246
19	Gautham krishna	ECE	2	9995568614
20	GEORGY P S	ECE	2	8078510489
21	Greeshma Haridas	ECE	2	9074581057
22	Lakshmi S	ECE	2	7736816646
23	Midhuna Km	ECE	2	8848762006
24	Nivya Priyadarsanan	ECE	2	7025430635
25	Parvathi kg	ECE	3	9074392844
26	Poornima	ECE	1	9747931580
27	Salu Paulose	ECE	2	7025523001
28	Sheril mariya saju	ECE	2	9072965656
29	Sreelakshmi somasekharan	ECE	3	7592923353
1	ASHIL K AJAYAKUMAR	ME	2	9074489740
2	AVINASH MS	ME	4	7902672328
1	Amal Saj S R	NASB	2	7736235521
2	Blesson K Jose	NASB	2	9531813840
3	Geo Eldhose	NASB	2	8138052737

  
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Feedback " My Entrepreneurship Journey"- Interactive session with John Mathew

Name	Department	Class	Mobile Number	E-mail Id	Feedback about the program
1 Geever saju	CSE	R3a	08848261598	geeversaju11@gmail.com	Good
2 Vishnu S	CE	3rd	8867376358	vishnusudhakaran2001@gmail.com	Amazing ,marvelous, spectacular
3 Varsha Viswaprakash	NASB	S3	7559060728	varshaviswaprakash5@gmail.com	Good one
4 AJU PAUL	NASB	N3	8137956585	ajupaul2001@gmail.com	very nice
5 Sreejith MV	ME	M3	8943435246	sreejithmv92254@gmail.com	Very nice
6 AFNITHA M ALIYAR	CE	7th sem	7356149410	afnithamaliyar@gmail.com	Excellent
7 Mariya U S	CSE	R5	9539986955	mariyasu7@gmail.com	Inspirational
8 NANDU SIJU	CE	C7	8281769127	nandusj2015@gmail.com	Good
9 Aswin Gopakumar	CSE	R3A	8113068819	aswingopakumar.007@gmail.com	Eye-opening session
10 Thanooja M	ME	N3	9074902351	thanoojanizar2001@gmail.com	it was really a good session
11 Kiran Krishna B	CSE	R5	9746700715	kirankrishnb2001@gmail.com	Nice presentation from IEDC
12 Alan k sunil	CSE	R5	8943714397	alanksunil805@gmail.com	It's very nice class
13 ABHINEETH A S	CE	C5	9744343106	abhineethrajeev@gmail.com	its was a really informative program
14 Devika Baby	NASB	N3	9567785937	devikababy045@gmail.com	Excellent
15 A S AADITHYA SANI	NASB	N3	7994248985	aadithyasani1@gmail.com	Really inspirational
16 Sandra subhash	CSE	R5	9544147185	sandrasubu2019@gmail.com	Awesome webinar
17 Mary Grace Bud James	CE	C7	9388447377	gracebudus2823@gmail.com	Inspiring,motivating
18 Atheesh	CSE	3rd sem	9009575022	djatish2204@gmail.com	fantabulous session
19 Firoz Mohamed	CSE	R5	7025419723	firozmuhammed62@gmail.com	Very much motivating and inspiring
20 Arfas k	EC	L7	8089315055	mohammedarfas123@gmail.com	Very NYC and informative
21 Basil Baby	ME	ME	8113949345	basilbaby1999@gmail.com	Good and informative.
22 Mereena Davis	NASB	N3	6235926372	mereenadavis2001@gmail.com	Good
23 ANJANA PA	CSE	R7A	8078453572	anjanaaji99@gmail.com	Very helpful and very motivating class
24 eldho rohan	CE	IEDC	7561018997	eldhorohan@gmail.com	Amazing
25 Arun Das P D	EC	L7	9074345778	arundaspd619@gmail.com	Very good
26 SREELAKSHMI SOMASEKHARAN	EC	S3	7592923353	salu.sreelakshmi@gmail.com	It was good
27 Chinmay Jagalchandra Babu	ME	7	8547333413	chinnscool@gmail.com	The entire session was quite informative pro
28 J. JIBIN RAJ	NASB	3rd sem	8606668738	jibinraj13222001@gmail.com	Kollam supper 🍷
29 Priyadarshini	CE	C5	9526466077	Priyadarshini543@gmail.com	It was great
30 Ansu Johny	CE	C3	9567161468	ansujohny001@gmail.com	Very good program
31 Manjush R Menon	CSE	R5	9061267198	manjushrmenon730@gmail.com	it's really good...
32 Abhiramy K Jayaraj	CE	C7	9495484644	abhiramykjayaraj@gmail.com	Excellent
33 Safna azeez	CSE	R3b	9539486166	safnaazeez15@gmail.com	Its mindblowing
34 Anna Elizabeth Thambi	CSE	R5	9562588476	annathambi2000@gmail.com	Excellent and a wonderful section.
35 Basil Saij	EC	L7	9400848822	basilsaij@gmail.com	Great session
36 Muhammed irshaq,m	NASB	N3	8086741360	irshaqmohd@gmail.com	Good
37 Sivaprakash K.D	ME	M3	9446884596	sivaprakashsopanam521@gmail.com	Very nice session
38 Afnitha M Aliyar	CE	7th sem	7356149410	afnithamaliyar@gmail.com	Excellent
39 AKHALYA SHAJI	CE	C7	9526511132	akhalyashaji123@gmail.com	so motivating
40 Athul Johny	CSE	R5	7025175675	athuljohny123@gmail.com	Very good
41 Amitha Rose B	CE	C3	9544614585	amitharoseb@gmail.com	Fabulous section
42 PARVATHY N	EC	4 th year	9567546542	parvathyn206@gmail.com	Good
43 ANN MARY	NASB	N7	7559902101	annmarysunil34@gmail.com	Excellent
44 Parvathi KG	EC	L3	9074392844	parvathikg200@gmail.com	Fantabulous session 🍷
45 Hriithin T	NASB	N7	9544596479	hriithinshaji@gmail.com	Thought provoking
46 Gokul A	NASB	S3	9400549244	gokulthamban@gmail.com	Awsome talk
47 Preejith Jayan	CSE	R3B	7560872048	preejithjayan1@gmail.com	It was good.
48 HIMA ELDHO	CSE	R5	7594075490	himaeldho7@gmail.com	Good and informative session
49 Eldho Sunny	CSE	R3A	9400701161	eldho832@gmail.com	Very Good Session
50 Febiya Shaji	CSE	R5	7510377529	febiyashaji2000@gmail.com	Very cool and interesting
51 Aiswarya Ajith	CSE	R7A	8136851556	kannattachu1370@gmail.com	It was a really nice and helpful session.
52 Devika Sudheer	CE	C6	9633685106	devikasudheer17@gmail.com	Fabulous
53 Nishanth Vasu	NASB	N3	8547736475	nishanthvasu777@gmail.com	It was really good.
54 Sagara saji	EC	3rd sem	6282909269	sagarasaji30@gmail.com	Excellent
55 Ajmal Albert	NASB	N3	9895997607	ajmalalbert123@gmail.com	It was an awesome experience. Thanks IEDC
56 Merin Saju	CSE	R7B	8848750393	merinsaju8@gmail.com	Good
57 Yadhu MP	NASB	N3	9645505860	yadhuplavilayil@gmail.com	Really good
58 Keerthi Rajan	CSE	R5	9539436200	keerthirajan611@gmail.com	Interesting session
59 SILPA P.S	CSE	R7B	9633577785	ps025795@gmail.com	it was really informative and inspiring sessio
60 Saritha Satheesh	CSE	R5	9562891793	sarithasatheesh09@gmail.com	Really good session
61 Anantha Krishnan MS	EEE	E7	9446420311	ananthakrishnan.ms@outlook.in	Excellent
62 Deekshithdeva KS	ME	M3	9567906592	deekshithdeva12556@gmail.com	Really an inspiring session
63 Basil	CSE	R7	7907897572	bas.bab29@gmail.com	Great session
64 Aneeshkumar K A	CE	Btech 7th semester	9446736389	aneeshkumarkaptvm@gmail.com	Excellent
65 Anikethan	NASB	3rd year N5	9349956624	anikethan1110@gmail.com	Different topicVery inspiringMotivating too🍷
66 C M Thajudheen	CSE	R3A	6282393064	thajudheencm2001@gmail.com	effective, very much intresting
67 Nisanth Pai	NASB	S5	6282474897	nisanthpai02@gmail.com	Really feeling great as you are having so ma
68 Elana Varghese George	EC	3 semester	9074745199	elanavarghese@gmail.com	Inspiring and motivating
69 Sreekutty p s	CSE	R3B	8086133996	ammuanand1727@gmail.com	It's a very useful section
70 Nidhin Benoy	EEE	E3	09947960110	nidhinbenoy7373@gmail.com	good
71 Nishanth Vasu	NASB	N3-Second Year	8547736475	nishanthvasu777@gmail.com	It was really good.
72 Parvathy VS	EC	S7	7736367827	parvathyvs999@gmail.com	Great
73 Greeshma Sreekumar	CE	Seventh semester	8594099517	greeshmasreekumar123@gmail.com	It was so good.....
74 Ajith Santhosh	CSE	R3A	7034199680	ajithsanthosh652@gmail.com	Very interesting program 🍷.
75 Arjun M R	CSE	R3A	8921572523	arjo3612@gmail.com	Wonderful class
76 Aswanth Viswanathan	CSE	R3A	7510392949	aswanthviswanathan888@gmail.com	very very intersetting and motivating
77 Linda Perumal Johnson	NASB	S5	9544920195	perumal24680@gmail.com	Though not in the way he intended, it still wa
78 Arathi Venugopal	CSE	R7A	9544258327	arathivenu1999@gmail.com	🍷 Helpful
79 Maneesha M	CSE	R7B	9562008245	maneeshamurali2017@gmail.com	very informative..
80 SILPA T.S	CE	C3	7306575293	silpats2801@gmail.com	Amazing
81 Afnitha M Aliyar	CE	7th sem	7356149410	afnithamaliyar@gmail.com	Excellent
82 Arya Sukumaran	CE	7th sem	8943051785	aryasukumaran0@gmail.com	Good
83 Maria Denita Teresa	CE	C3	8921205447	denita28112001@gmail.com	Very good
84 Elsa Aji	CE	C7	9847051133	elsaaji99@gmail.com	Amazing
85 Bibin Babu	CE	C5	7034676489	bibin5031@gmail.com	Very nice class
86 Sankari Suresh	CSE	R5	7559025376	ssankari676@gmail.com	very motivating and inspiring
87 Ashwin Shaji	EC	L 3	7902214315	ashwinshaji415@gmail.com	very interesting and informative session
88 Ebin Eldose Pukkunnel	CE	Sem 5, SNGCE	7902797280	ebineldose2000@gmail.com	
89 Jiya M A	CSE	R3B	8439873105	jiaabraham99@gmail.com	It was excellent.
90 Devika Baby	NASB	N3	9567785937	devikababy045@gmail.com	Excellent
91 Andriya jayan	CSE	R3A	9746762699	andriyajayan00@gmail.com	It was an awesome experience for us.it makr
92 Lenoy Jose Francis	CE	C5	9072110727	yonelesoj9221456@gmail.com	It was an informative program.thank you
93 Ashish Abraham Mathew	CE	C5	8943576828	ashishmathew101@gmail.com	The session was interesting
94 ARYA VP	NASB	N5 NASB	7356113923	aryavpradeep123@gmail.com	The program was very good.
95 Gowri L Nair	CSE	R5	8547093061	gowrilnair2001@gmail.com	It was such an interesting and valid session !





Name  
96 Maria Denita Teresa  
97 Vidhya Murali  
98 THANOOJA M  
99 Anna Mariya Varghese

Department  
CE  
CE  
ME  
CSE

Class  
C3  
C7  
M3  
R7 A

Mobile Number E-mail Id  
8921205447 denita28112001@gmail.com  
7025032845 vidhyamurali99@gmail.com  
9074902351 thanoojanizar2001@gmail.com  
9061958959 annamariyavarghese2000@gmail.com

Feedback about the program  
Very good  
Really nice class  
it was really a good session



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