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National Education Society ®
AMRUTHA MAHOTSAVA CELEBRATIONS
JNN College of Engineering Shimoga
(Affiliated to VTU Belagavi, Recognized by Govt. of Karnataka, Accredited by NBA (All 7 UG Branches), Accredited by NAAC and Approved by AICTE, New Delhi)

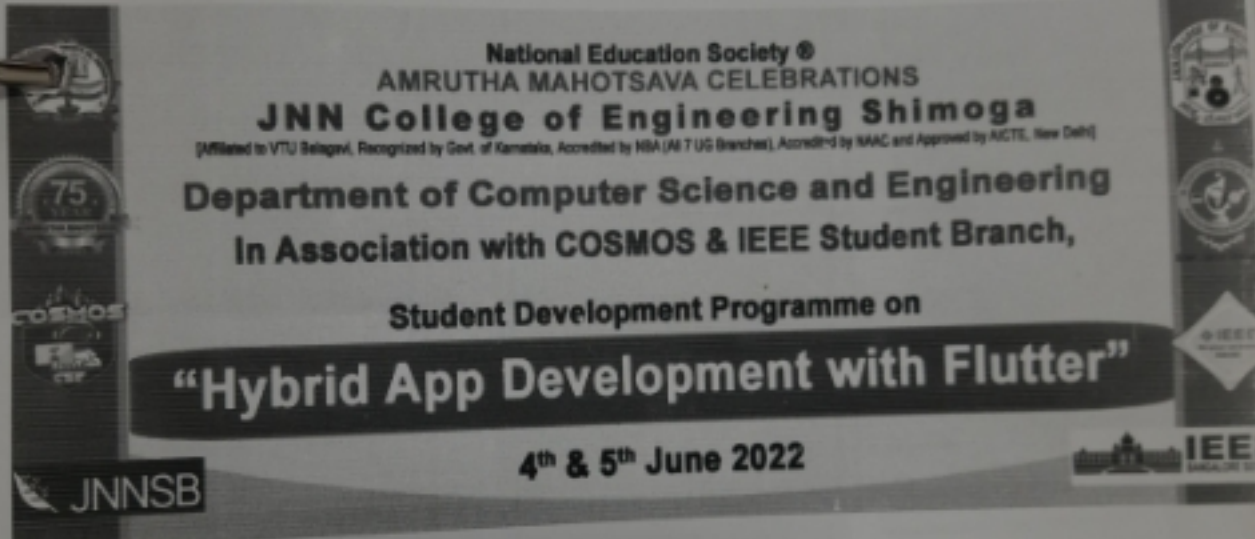
Department of Computer Science and Engineering
In Association with COSMOS & IEEE Student Branch,

Student Development Programme on
“Hybrid App Development with Flutter”

4th & 5th June 2022

JNNSB

IEEE



**Student Development Programmes
On
"Hybrid App Development with Flutter"**

Schedule of SDP (1st & 2nd June, 2022)

1st June, 2022
Inauguration
 (10.30 am - 11.30 am)
Introduction to Flutter
 (11.35 am - 1.15pm)
Programming with DART
 (2.30 pm - 3.30 pm)
UI - Widgets in Flutter-DART
 (3.45 pm - 5.15pm)
 Break

2nd June, 2022
Data Views and Other UI in Flutter-DART
 (10.30 am - 11.05 am)
Gesture and State Management in Flutter-DART
 (11.15 am - 1.15pm)
Animations in Flutter-DART
 (2.30 pm - 3.30 pm)
Flutter Interaction with Databases and Cloud Firestore
 (3.45 pm - 5.15pm)
 Valedictory

Resource Person
Dr. Chetan K. R.
 Professor and Head
 Dept. of AIML, JNCE, Shivamogga

Chief Patrons

- Sr. G. S. Narayana Rao
President, NES
- Sr. C. R. Nagaraja
Vice President, NES
- Sr. S. N. Nagaraja
Secretary, NES
- Sr. Dr. P. Narayan
Joint Secretary, NES
- Sr. D. D. Ramiah
Treasurer, NES

Patrons

- Dr. K. Ragendra Prasad
Principal, JNCE
- Dr. P. Manjunatha
Dean Academics, JNCE

Organizing Chair

- Dr. K. M. Poornima
HOD, Dept. of CSE, JNCE

Coordinator

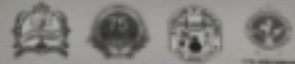
- Dr. Ravindra S.
Associate Professor, Dept. of CSE, JNCE
- Mr. Harjyana G. S.
Assistant Professor, Dept. of CSE, JNCE

Organizing Committee

All Teaching and Non-Teaching staff of Computer Science and Engineering Department

Address for Communication:
 Dr. Ravindra S.
 Associate Professor
 Dept. of CSE, JNCE Shivamogga
 Ph: 9860554060, E mail: ravindra@jnce.ac.in

**National Education Society's
AMRUTHA MAHOTSAVA CELEBRATIONS**



**J N N College of Engineering
Shivamogga - 577 204**

(Affiliated to VTU Belagavi, Recognized by Govt. of Karnataka, Accredited by NBA (AICTE) and Approved by AICTE, New Delhi)

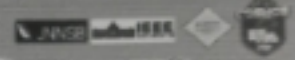
Annual Quality Assurance (AQA)



Two day work-alike (hands on workshop) with lunch & snacks for students

**Student Development Programme
on
"Hybrid App Development
with Flutter"**

1st & 2nd June 2022



Department of
Computer Science and Engineering
JNCE College of Engineering
Shivamogga - 577 204
In Association with
IEEE Student Branch Chapter, COEJNCE

About the Institution
 JNCE was established in the year 1980 by the National Education Society. The college is affiliated to Visvesvaraya Technological University (VTU), Belagavi and recognized by AICTE, New Delhi and Government of Karnataka. JNCE offers B.E., M.Tech., MSA and MCA programmes, as well as M.Sc. (Engg. by Research) and Ph.D. Programmes. JNCE has emerged as one of the most sought after education destinations for technical and Management education by students and parents from all over India. JNCE is accredited with NAAC - B grade also All 7 UG programmes are Accredited by NBA and it is now declared to receive central assistance in terms of rules framed under section 21D & 21B of the UGC act, 1956 under the head Non-Government Self-Financed colleges up to Master's degree. JNCE has emerged as one of the institutions renowned in the cause of professional education, training and research. JNCE is wedded to a conviction of building engineers and managers of tomorrow, competent to thrive in the changing business dynamics with rewarding performance. A New Initiative "Transformation for Excellence 2.0" has been launched for making JNCE as one of the top engineering, research, innovation and enterprising institutes in next few years.

About the Department
 The department of Computer Science and Engineering was started in the year 1981. Since then, the department has held a position of pride in JNCE. The Department offers UG - B.E. (CSE) and PG - M.Tech., in CSE programme along with the Department has a recognized research center by VTU - Belagavi. The Department is accredited by National Board of Accreditation (NBA) for the period 2019 to 2022. The department has well qualified, experienced and dedicated faculty to provide quality industry

oriented education to the students. The Department introduces skills for the requirements of academics, supports research and learning skills on the latest technology in the industry. Many research related activities such as conferences, workshops and training programs are organized by the department for both faculty and students.

Department Vision

- To be one of the Pre-Eminent departments to provide technical and knowledge-based education, utilizing the potential of Computer science and Engineering to meet the ever-changing needs of industry and Society.

Department Mission

- Would the students to meet the emerging challenges of the industry and society
- Engaging in research
- Effective industry interaction for the development of state-of-art technical infrastructure and faculty competence.

About the SDP

Cross-platform mobile apps are the need of the hour. Currently, one has to write two different codes to code to create an app and application for different platforms. This involves a lot of time and effort. So, the skills for a student that can enable to create cross-platform apps without the need of writing or learning different codes.

Flutter is an open-source mobile development platform. Due to its capabilities, it has become quite famous among software developers around the world. Being a cross-platform framework, Flutter allows developing apps for multiple platforms without the need of writing different codes for different platforms. Moreover, it ensures that the UI consistency is maintained across the platforms which you intend to develop the app. At the same time, the business logic also doesn't get changed across platforms. This capability will save a lot of time and effort for your development team. One of the highlights of "Flutter is

the availability of a great number of widgets. These widgets come and speed up the work of the development team to design a basic user interface. With a UI element is created once in Flutter it can adapt to different screen resolutions, and platforms. It is another cross-platform mobile development framework which is gaining popularity in the market and flutter jobs are a great demand. Flutter is worth learning in present era because it is a burgeoning app development platform. It offers many features that help you design appealing mobile apps with better user experiences while saving time and money. According to Glassdoor, Flutter developers earn an average base salary of \$70,827 annually.

Outcomes of the SDP

- Knowledge of Hybrid Application development
- Building hybrid apps using DART or Flutter
- Getting ready to be a Flutter Developer role

Who can attend?

Interested and Self-motivated Pre-final year students. Knowledge of any object oriented programming language like C++ and/or Java is mandatory. Total number of Participants limited to 30. If more students register, selection will be based on Qualifying Test.

ATTRACTIVE CASH PRIZE TO THE WINNERS OF APP DEVELOPMENT CONTEST



To Register

Register on or before 1st June, 2022 - 5PM

Link_for_registration

<https://forms.gle/xxDyDART9WYrftVtE>



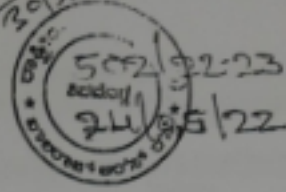


National Education Society @
Jawaharlal Nehru New College of Engineering, Navule,
Shivamogga-577204
Department of Computer Science and Engineering

TO
 HOD CSE
 EIT
 KY
 30/5/22

Date: 20/05/2022

The Principal,
 JNN College of Engineering,
 Shivamogga.



Respected Sir,

Sub: Requisition for financial assistance for Conduction of two days workathon on "Hybrid App Development with Flutter".

We are planning to conduct two days *workathon (hands on workshop with hack-a-thon tests for students)* on "Hybrid App Development with Flutter" for pre-final year students from 4th and 5th June 2022. Dr. Chetan K. R., Professor and Head, Dept. of AIML is the resource person to train the students.

We request you to kindly permit us to conduct the above mentioned workshop by providing financial assistance of Rs. 11700/-. The details of the proposed workshop is enclosed herewith for your kind reference.

Thanking you,

Yours Sincerely,

20/5/2022

HOD, Dept of CSE

PROFESSOR & HEAD
 Dept. of Computer Science & Engg.
 J.N.N. College of Engineering
 SHIVAMOGGA - 577 204.

Program Co-Ordinators

1. Dr. Ravindra S.
2. Mr. Hiriyanna G S.

Enclosed:

- a. About the SDP
- b. Proposed Schedule
- c. Budget

No: NBS/JNCE/93/22-23 D: 22/5/22
 610/22-23 D: 28/05/22
 FORWARDS TO THE SECRETARY
 FOR MA

(Signature)

20/5/22

(Signature)
 Secretary

Forwarded to the Secretary for modifications.

(Signature)
 20/5/22

National Education Society

Mail : hod_cse@jnnc.ac.in

Website : www.jnncshivamogga.com



National Education Society, &
Jawahar Lal Nehru New College of Engineering, Navalur,
Shivanogga-577204
Department of Computer Science and Engineering

Proposed Budget for two days workshop on "Hybrid App Development with Flutter"
(Benefits for students)

The following is the list of participants and their expected budget for conducting the event.

Sl.	Particulars	Criteria	Amount
1.	App Development Contest	1 st Prize: 1,000/-, 2 nd Prize: 700/-, 3 rd Prize: 500/-	2300/-
2.	Technical Quiz	Cash Prize of Rs 100 to 5 students x 2days	3000/-
3.	Refreshments	..	300/-
4.	Tea and biscuits	For 2 days	2,500/-
5.	Honorarium	Honorarium to Resource person	5,000/-
6.	Miscellaneous Expenditure	..	900/-
		Grand Total	Rs. 11,700/-



National Education Society (R)
JNN College of Engineering
Department of Computer Science and Engineering



**Proceedings of Student Development Program on
Hybrid App Development with Flutter**


In association with IEEE student branch JNNCE & COSMOS

Date: 04th June 2022 and 05th June 2022
Coordinators: Dr. Ravindra S, Mr. Hiriyanna G S,
Resource Person: Dr Chetan K R, Professor and Head, Dept. of AI & ML, JNNCE.
Participants: 6th semester CS & E students

The program began with welcome of all the dignitaries and participants with invocation song by Mr. Ashwath A H Asst. Instructor, Dept. of CSE at 10.00 AM. The program was hosted by Dr. Ravindra S Associate Professor Dept. of CSE. Dr. Poornima K M, professor and Head delivered the welcome speech. The program was inaugurated by watering the plants. Resource person Dr. Chetan K R Professor and Head, Dept. of AI & ML, JNNCE briefed about the topic Hybrid App Development with Flutter. Later program was addressed by Dr. Manjunath P, Dean Academic, JNNCE followed by vote of thanks by Hiriyanna G S, Asst. professor, Dept. of CSE.

After the formal inauguration function, hands on program were carried out as per the schedule. The quiz was conducted at the end of each day and cash prizes are awarded for the winners. Total 22 students were attended this program.

Coordinators
Dr. Ravindra S
Mr. Hiriyanna G S


HOD
Dr. K M Poornima