

SMP IT - MUAWANAH

School Of Digital Talent

Jalan Kiray 2, Cimpaeun, Tapos, Kota Depok, Jawa Barat 16459

Kontak: +6287770942114

Situs: <https://sdt.sch.id>

No	Peminatan Software Engineering
1	Mata Pelajaran Wajib ● AI & Ethics ● Learn How To Learn ● Teknik Problem Solving ● Bisnis Teknologi Informasi ● Manajemen Project & Kolaborasi
2	Mata Pelajaran Peminatan ● Software & Engineering Philosophy ● Bebras Computational Thinking ● Project Based Learning Model ● Komputasi dan Internet ○ Informasi Digital ■ Bit & Bytes, Basis Biner & Hexadecimal, Limitasi Penyimpanan Data, Penyimpanan Biner, Konversi Analog Ke Biner, Kompresi Data, Hak Cipta Digital & Lisensi ○ Komputer ■ Bagaimana komputer bekerja, Dari listrik menjadi bits, Gerbang Logika & Sirkuit, Komponen Komputer, Berkas Komputer ○ Internet & Keamanan Data ■ Pengenalan Internet, Jaringan Internet, Pengalamatan Internet, Transporting Packets, Protokol Web, Scalable Systems, Personal identifiable information, User Data Tracking, Serangan Siber, Enkripsi Data. ○ Inovasi Komputasi ■ Inovasi Komunikasi (SMS, Email, Social Media), Kolaborasi (Group chat, Video Conferencing, collaborative software) ■ Inovasi Crowd ● Crowdfunding, Collective Knowledge, CrowdSourcing ● Algoritma dan Pemrograman

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| | <ul style="list-style-type: none">○ Desain & Analisis Algoritma○ Struktur Data○ Pemrograman
Variabel & Tipe Data , Ekspresi & Operator, Percabangan (Jika, Maka, Selainnya), Fungsi, Array.● User Experience & User Interface<ul style="list-style-type: none">○ Desain Antarmuka○ Web Usability○ Prototyping● Web Programming & Database<ul style="list-style-type: none">○ HTML, CSS, Javascript, Python○ Application Programming Interface / API○ PostgreSQL DBMS● Komputasi Awan<ul style="list-style-type: none">○ Sistem Operasi Linux, Infrastructure as service, Platform as service
Software as service● Robotika<ul style="list-style-type: none">○ Software Foundation with arduino○ Robotics Integration with arduino○ Electrical Foundations○ Machine Vision Primer● Project Akhir<ul style="list-style-type: none">○ Usable Project & Software Product○ Contoh Project: Aplikasi Gojek, Aplikasi Shopee, IoT Smart Home System, Automatic Drone Control● Output Peminatan:<ul style="list-style-type: none">○ Software Engineer, Full Stack Developer, Front End Developer, Automation Engineer |
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